

ABSTRACT

A database and database management system are implemented entirely in hardware. The information forming the database is stored in random access memory which is connected to a data flow engine. The data flow engine is able to process statements in standard database protocols such as SQL and XML, and to manipulate (read, write and alter) the database in accordance with the statements. The data flow engine is connected to a microprocessor that receives the statements from the database user or database application server and sends them to the data flow engine for processing. The results from the data flow engine are returned to the microprocessor and the microprocessor then returns the results to the user or application server.